

## Claims

- [c1] A method of inducing endothelium-dependent relaxation in blood vessels comprising introducing an effective amount of epicatechin-galloyl-epicatechin-gallate (B2-di-gallate) to a patient.
- [c2] The method of claim 1 further comprising the step of concomitantly administering an effective amount of L-arginine to the patient.
- [c3] A pharmaceutical compound for inducing endothelium-dependent relaxation in blood vessels comprising an effective amount of epicatechin-galloyl-epicatechin-gallate (B2-di-gallate).
- [c4] The pharmaceutical compound of claim 3 wherein the epicatechin monomers are galloylated.
- [c5] The pharmaceutical compound of claim 3 further comprising an effective amount of L-arginine.
- [c6] The pharmaceutical compound of claim 3 wherein said compound is selected from the group consisting of Fig. 6(a) and Fig. 6(b).

- [c7] A kit for inducing endothelium-dependent relaxation in blood vessels comprising an effective amount of epicatechin-galloyl-epicatechin-gallate (B2-di-gallate) and an effective amount of L-arginine.
- [c8] The kit of claim 7 wherein said epicatechin-galloyl-epicatechin-gallate is selected from the group consisting of Fig. 6(a) and Fig. 6(b).